

1/17

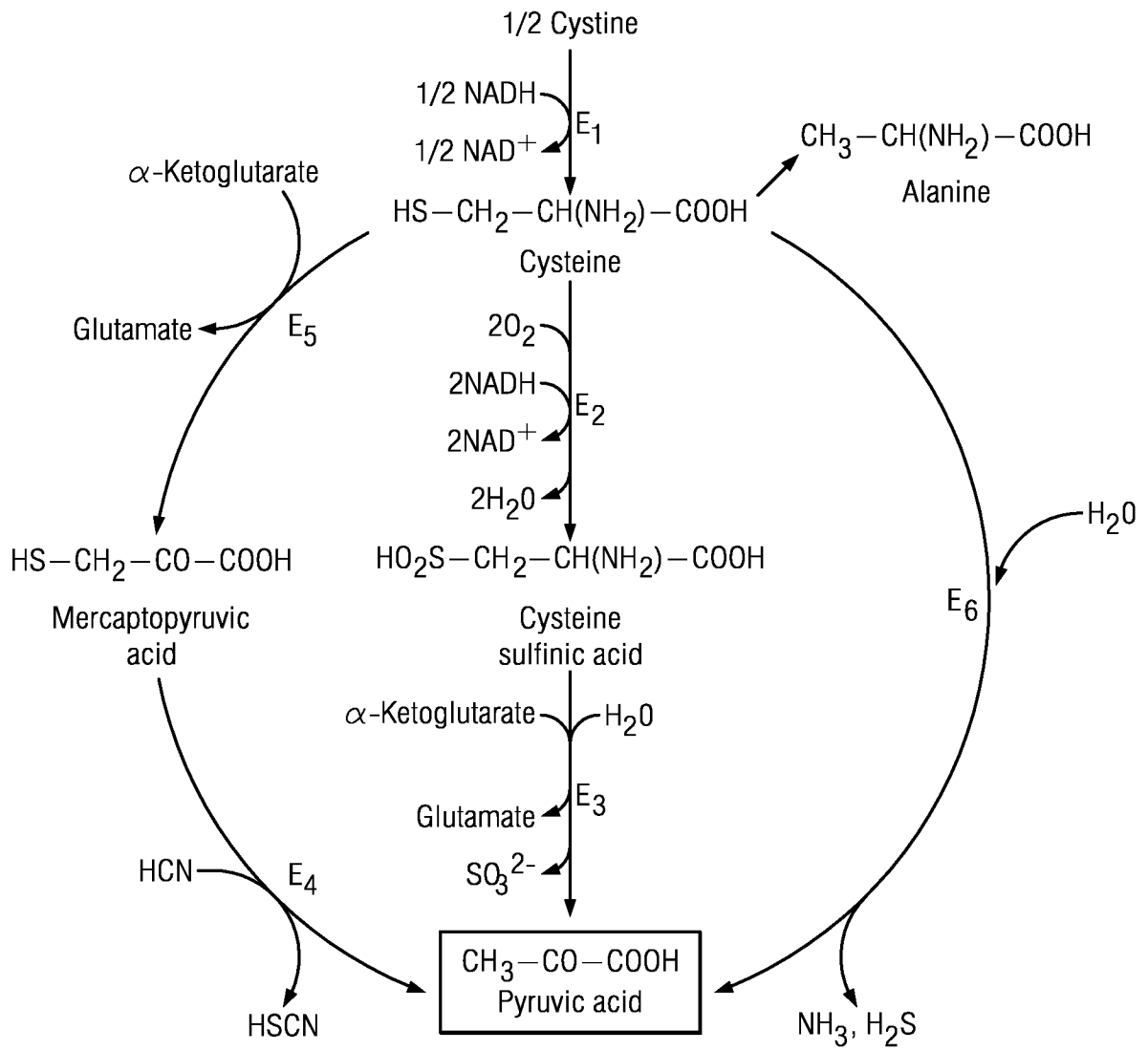


FIG. 1

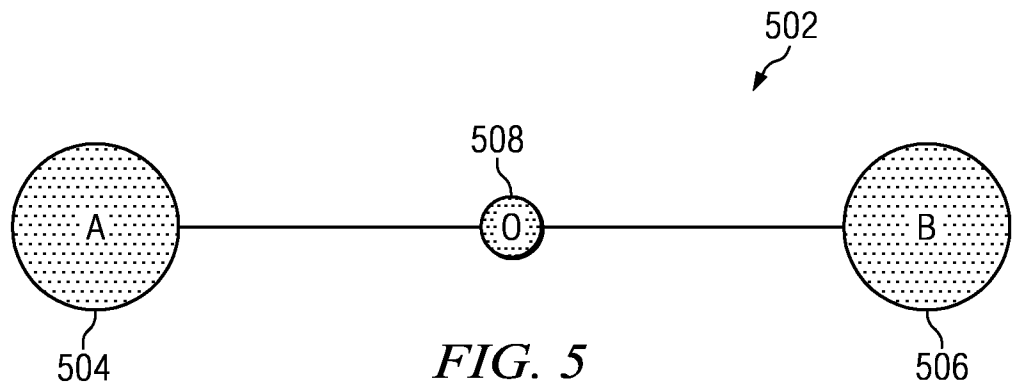


FIG. 5

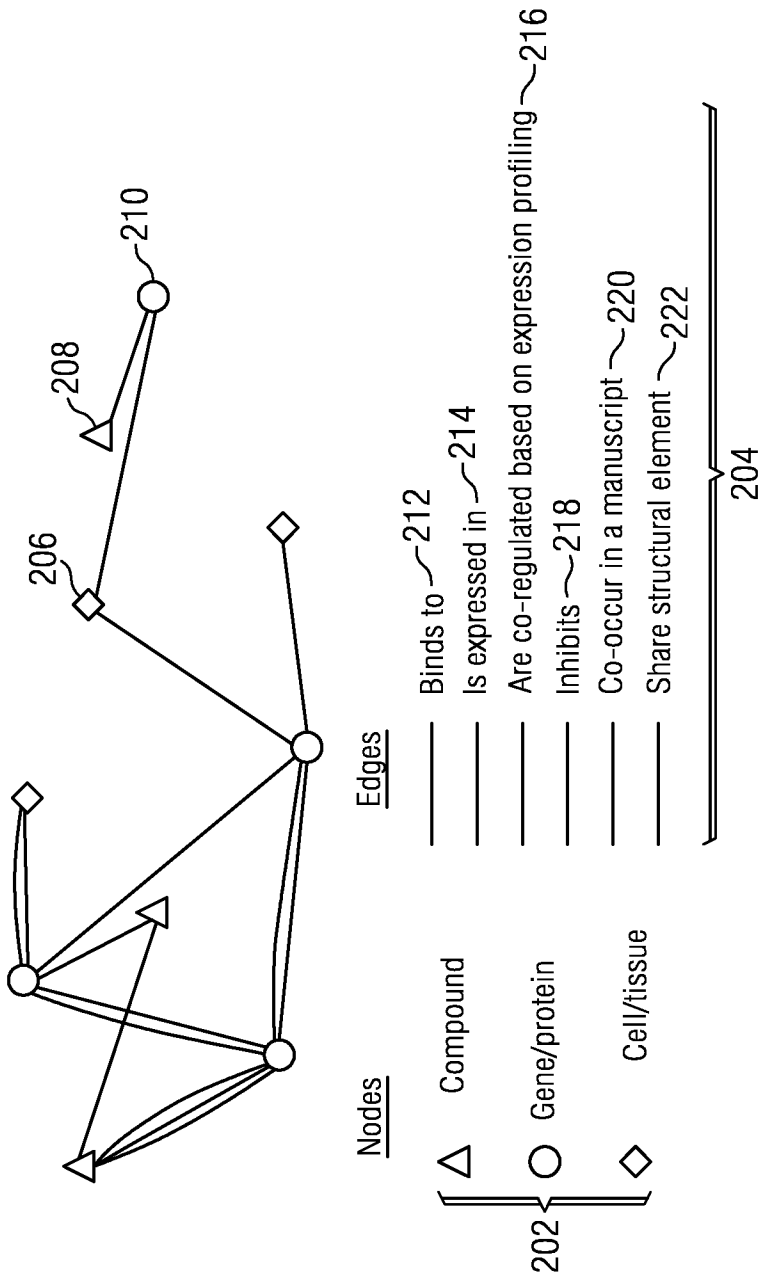
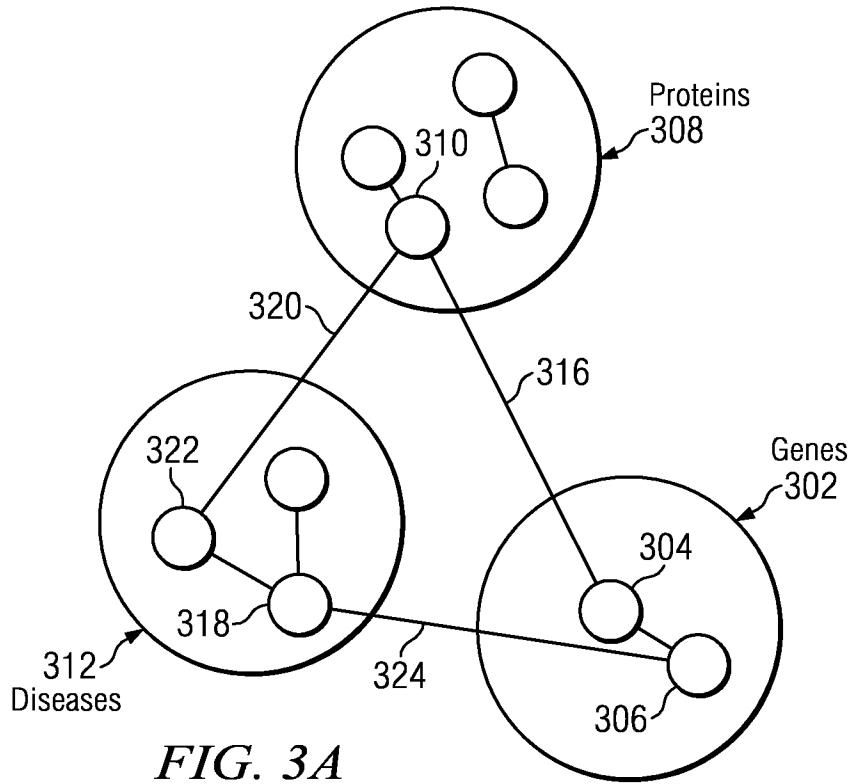
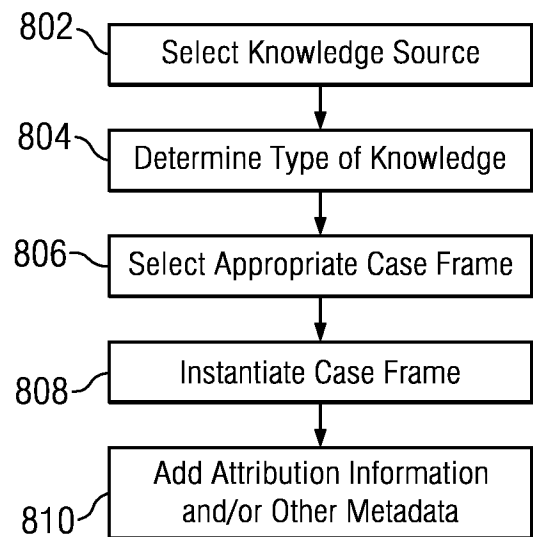
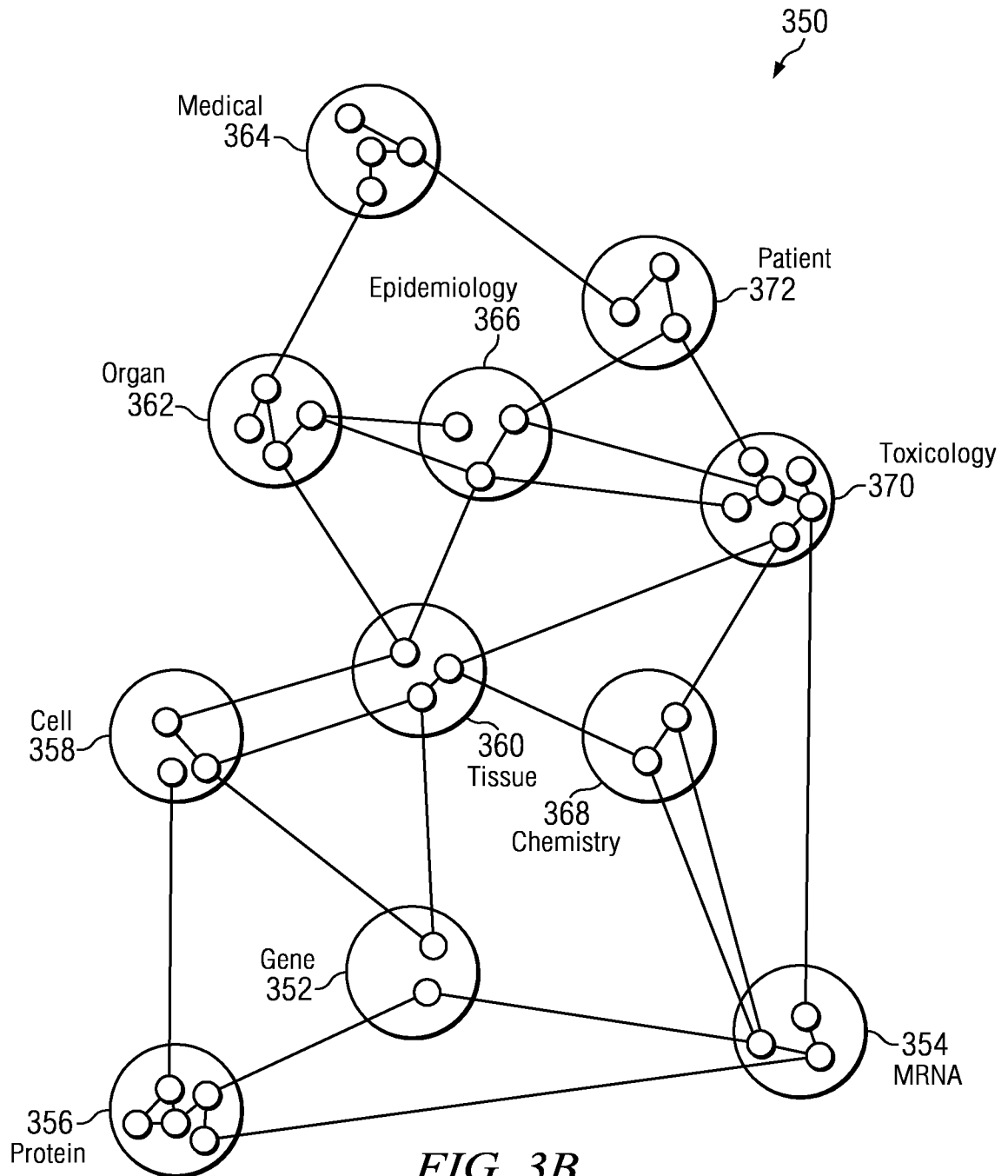


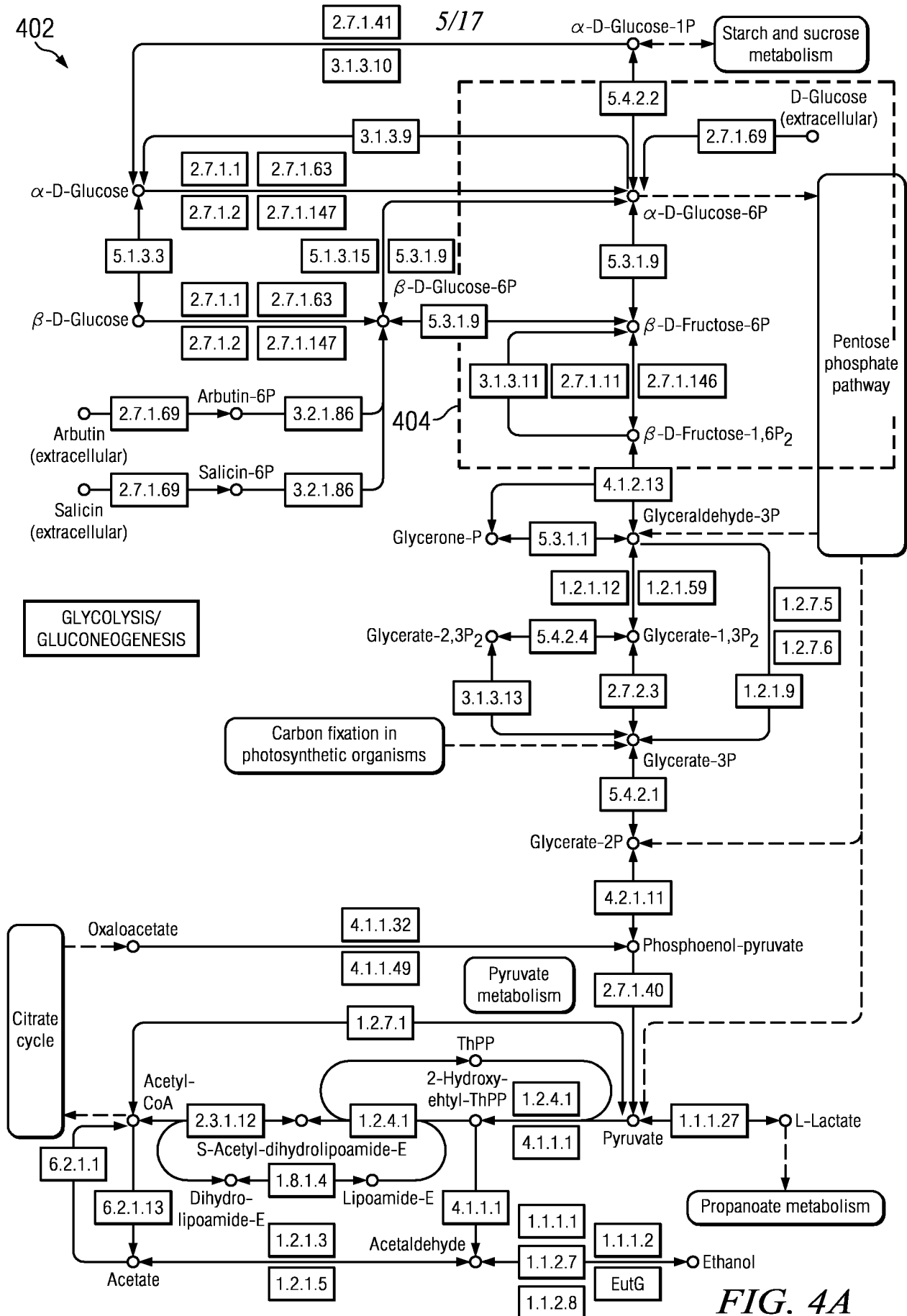
FIG. 2

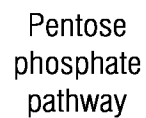
3/17

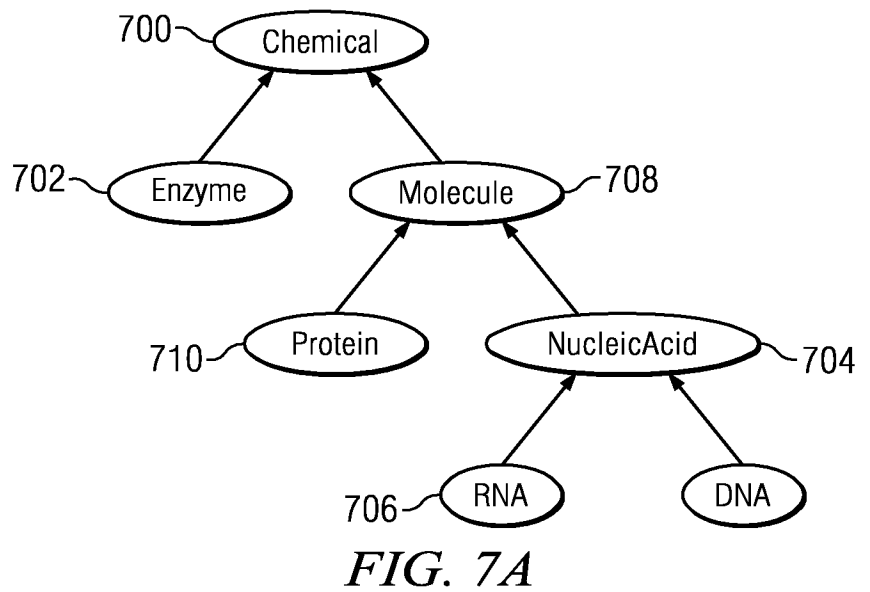
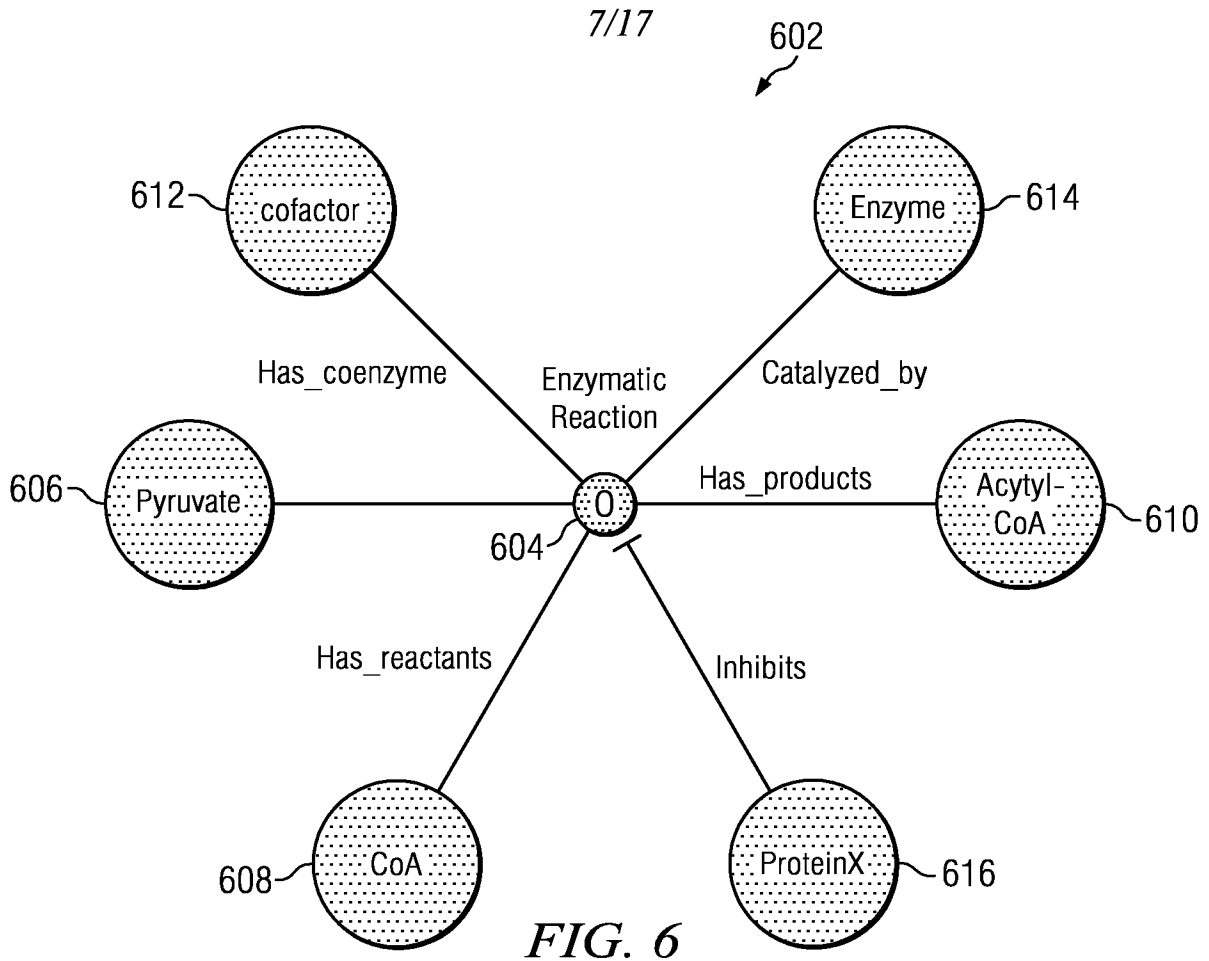
*FIG. 3A**FIG. 8*

4/17

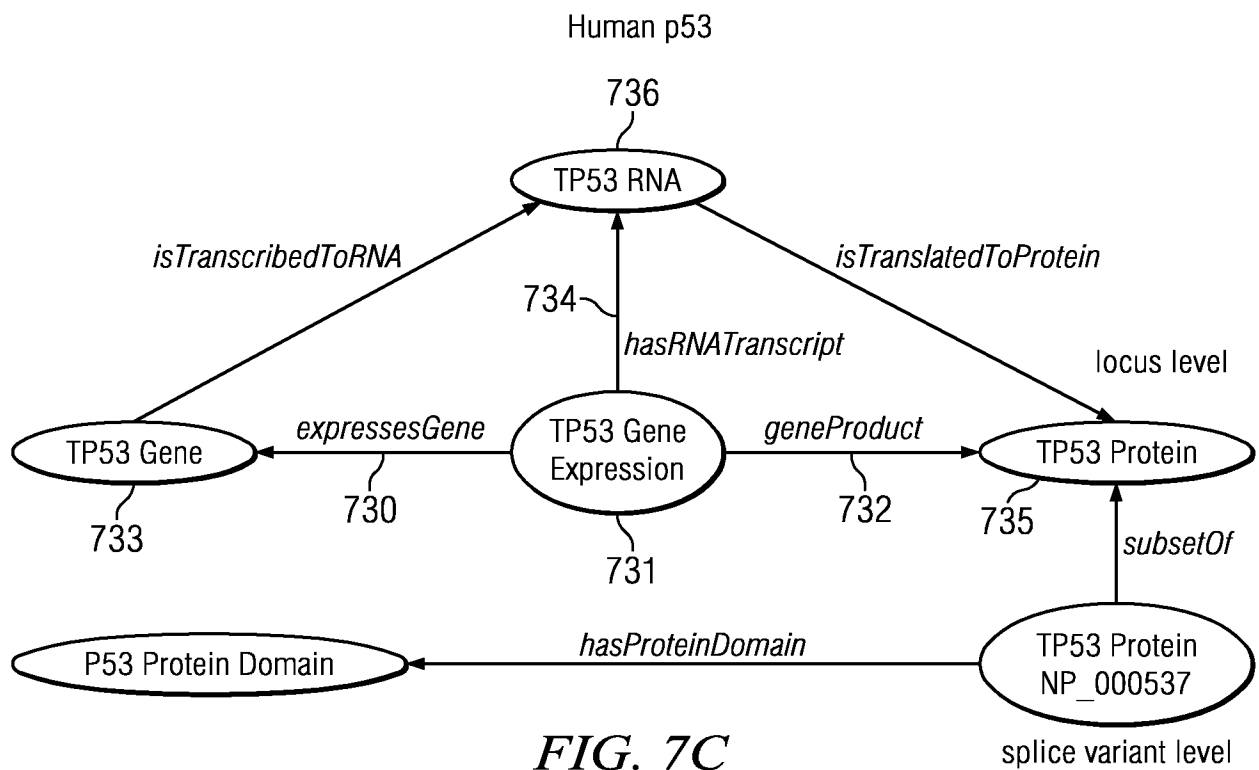
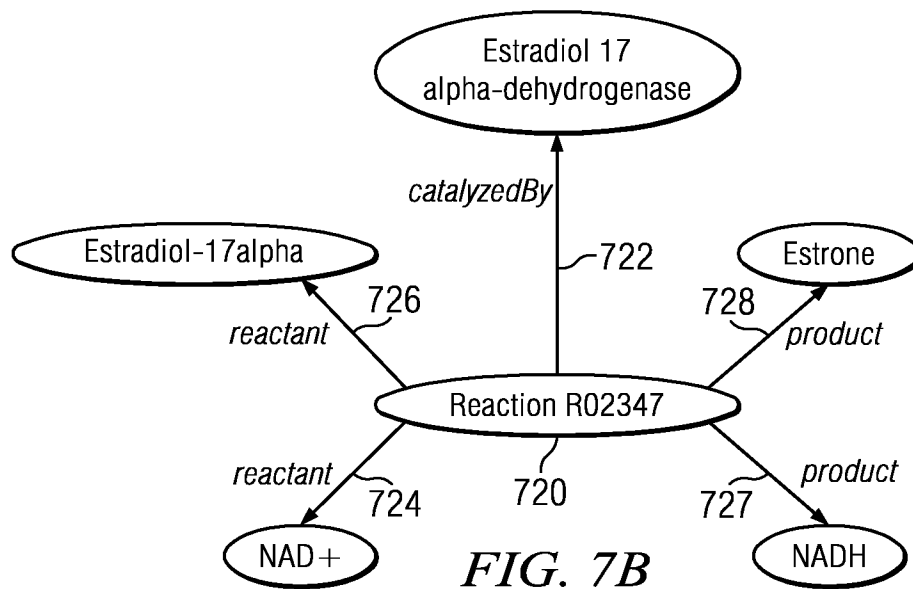




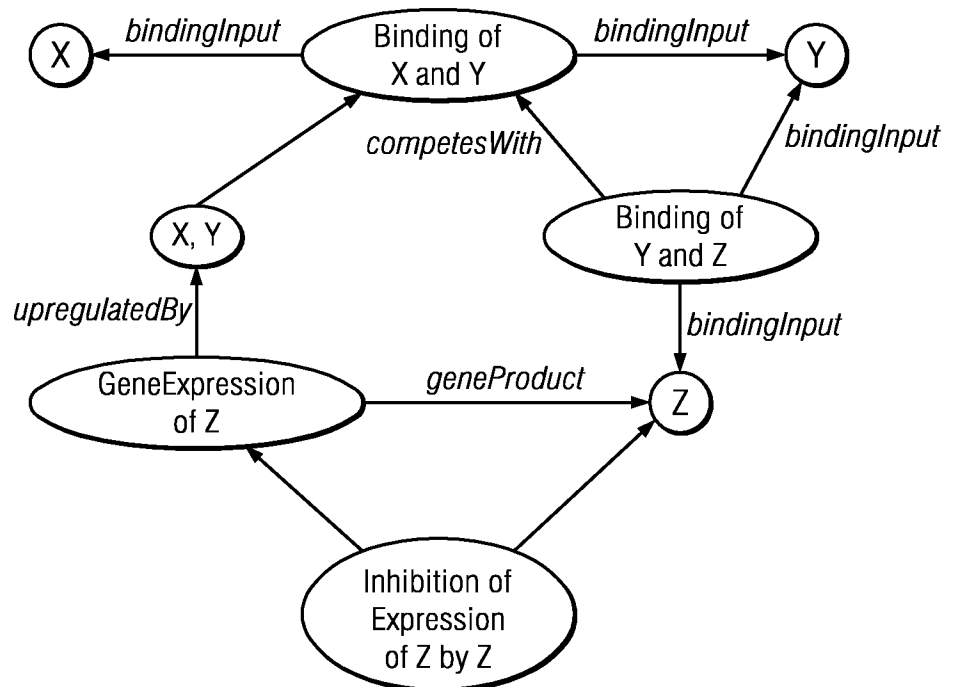
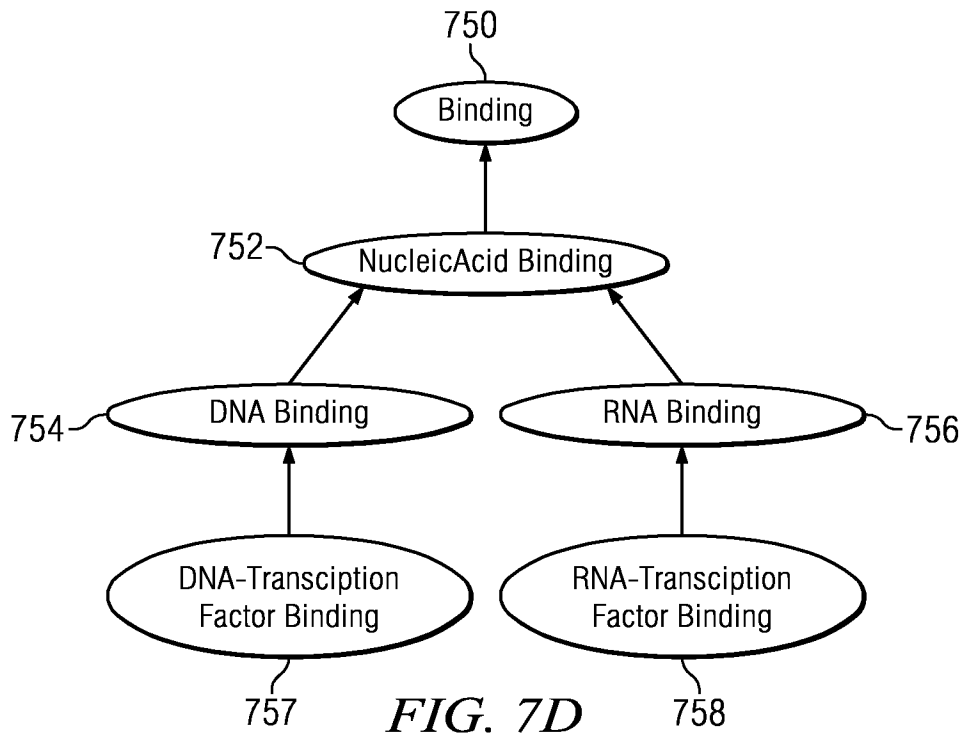




8/17



9/17



10/17

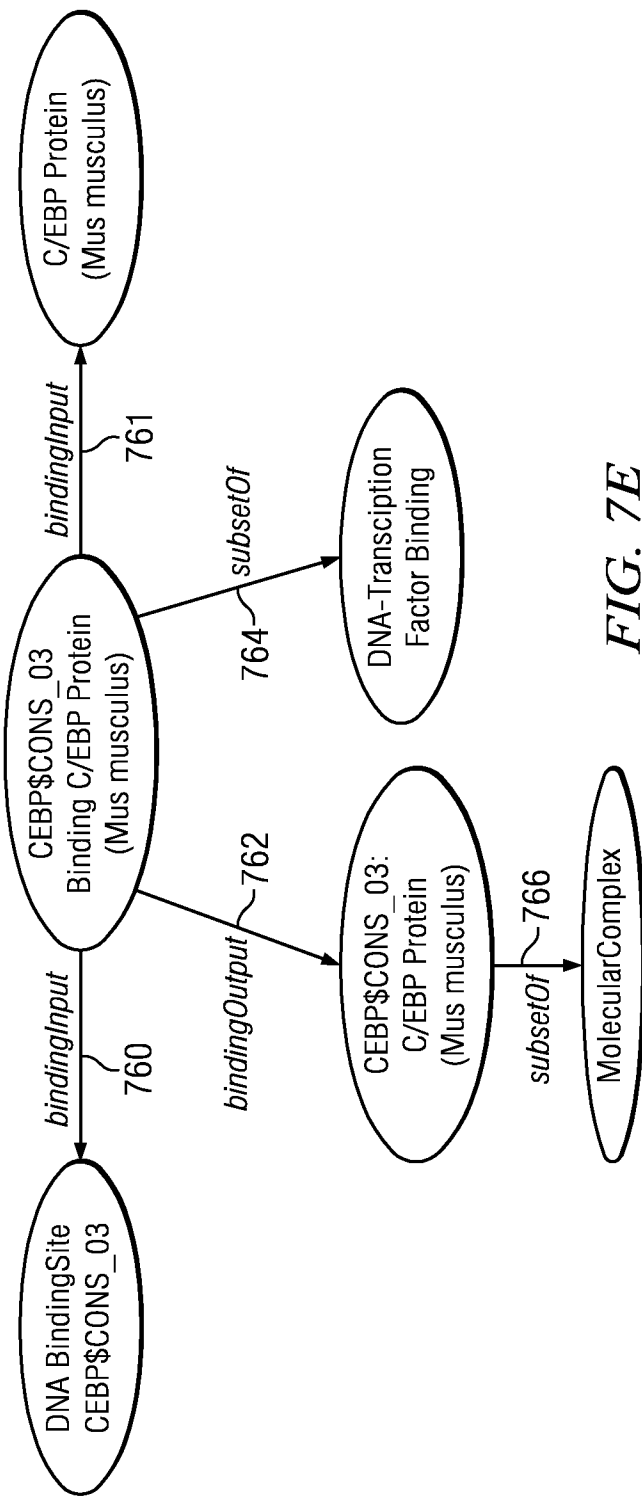


FIG. 7E

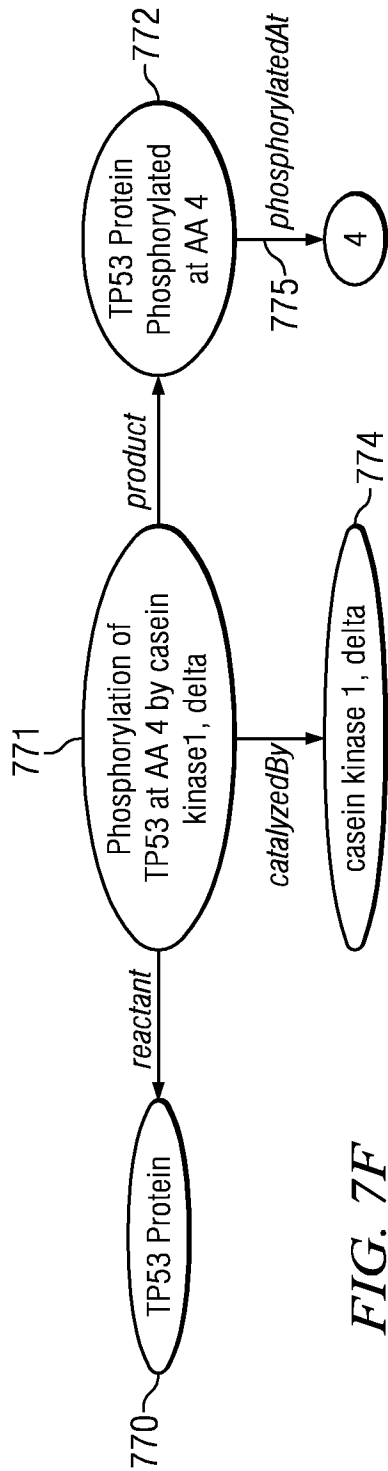




FIG. 7F

850



Genstruct Bioprocess Knowledge Assembler

The Knowledge Assembly Company



HISTORY

Browser: search for an enzyme or molecule

name

☒

pyruvate

852

Select from 19 terms

Select from 19 terms

5:pyruvate oxidation

1:pyruvate transport

3:Phosphoenolpyruvate

2:Pyruvate Dehydrogenase Complex Mm

5:glycerol biosynthesis from pyruvate

1:acetyl-CoA biosynthesis from pyruvate

2:Catalytic Activity of pyruvate dehydrogenase complex

4:pyruvate dehydrogenase complex Hs phosphorylated at ?

2:Pyruvate Dehydrogenase Complex Mm phosphorylated at S

2:pyruvate dehydrogenase complex Rn phosphorylated at ?

21:Catalytic Activity of pyruvate dehydrogenase complex Hs

6:Catalytic Activity of Pyruvate Dehydrogenase Complex Mm

5:Catalytic Activity of pyruvate dehydrogenase complex Rn

3:[pyruvate dehydrogenase (lipoamide)] phosphatase activity

2:Activation of Catalytic Activity of pyruvate dehydrogenase complex Hs by serum glucose

1:Pyruvate Dehydrogenase Complex Mm -> Pyruvate Dehydrogenase Complex Mm phosphorylated at S

1:Activation of pyruvate oxidation by Kinase Activity of AMP-activated protein kinase complex Hs

35:Pyruvate : Propanoic acid, 2-oxo-, ion(1-)

53:Pyruvate oxid... : Thioctic acid

Keyword Search

- Filtered 241 terms.

ns only

Back to top

854

FIG. 9

12/17

900

Browser: search for an enzyme or molecule

name

☒

pyruvate

21:Catalytic Activity of pyruvate dehydrogenase complex Hs

☒

Filter by Organism

☒ All Species

☐ Human

☐ Mouse

☐ Rat

☒ All Objects

☐ Protein

☐ Gene Expression

Filter by Object Type

Options

☒ Objects with Causal Connections only

☒ Show counts of Causal Connection

☒ Hide Homologene Edits

☒ Hide Removed Assertions

Search

- Filtered 241 terms.

Keyword Search

Term ID 869917: Catalytic Activity of pyruvate dehydrogenase complex Hs

Assertions

Relationship

Associated Information

Summary (2)

Homologous (0)

Activation (11)

Upstream Downstream

Attribution

Inhibition (10)

Upstream Downstream

Source

Binding/Complex (0)

Miscellaneous (1)

Summary Assertions (2)

Back to Top

catalyzedBy

pyruvate dehydrogenase complex Hs

15169745

basic/complexes.bel

instanceOf

EnzymaticReaction template

15169745

core/core_ontology.bel

902

FIG. 10

Search Criteria

Search

1002

Source

pyruvate dehydrogenase

matched terms (15)

Target

oxidative phosphorylation

matched terms (2)

Pubmed ID

Document Name

Model ID

Statement ID

Date Range

to

Status

Project

Author

Species

Max. Rows

1000

Options

search in either source or target

search in models only

show results in entry page directly

override max rows to retrieve

pubmed id

model names

statement author

Show Contexts

species

body part

cell line

cell type

disease

experiment type

tissue

Context criteria

Context Type

Context

No context criteria set

Context Type

body part

Context

Add

Common Searches

What's new today?

What did I change/create in the past week?

what recent statements are still under review?

Search

Reset

Search found 1 statements in 0.0030s. Statements retrieval took 0.0020s.

PubMed ID	Source	Relationship	Target	species	body part	tissue
11978179	catof("pyruvate dehydrogenase complex Hs")	^	"oxidative phosphorylation"	Hs		

FIG. 11

1000

1300

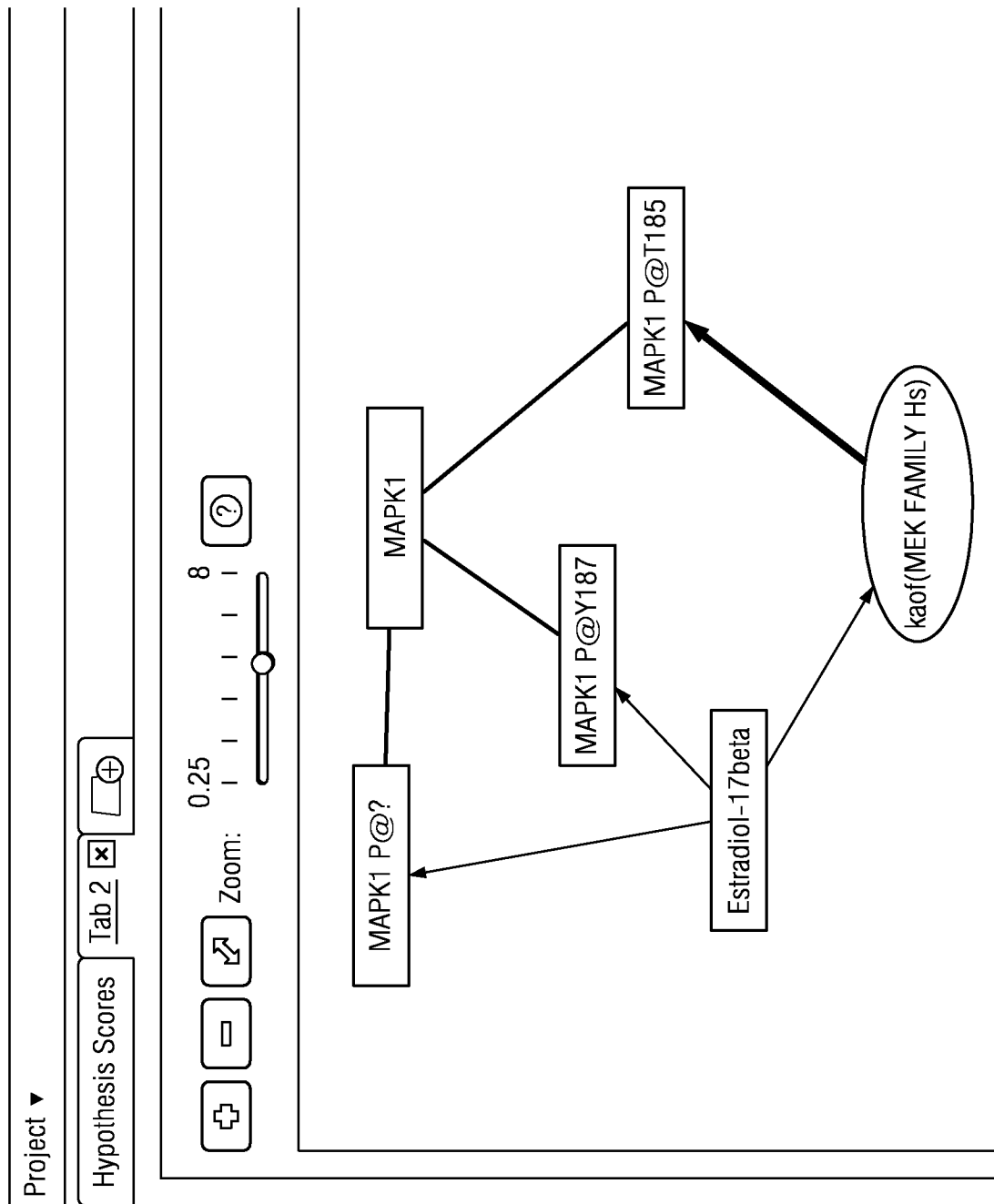
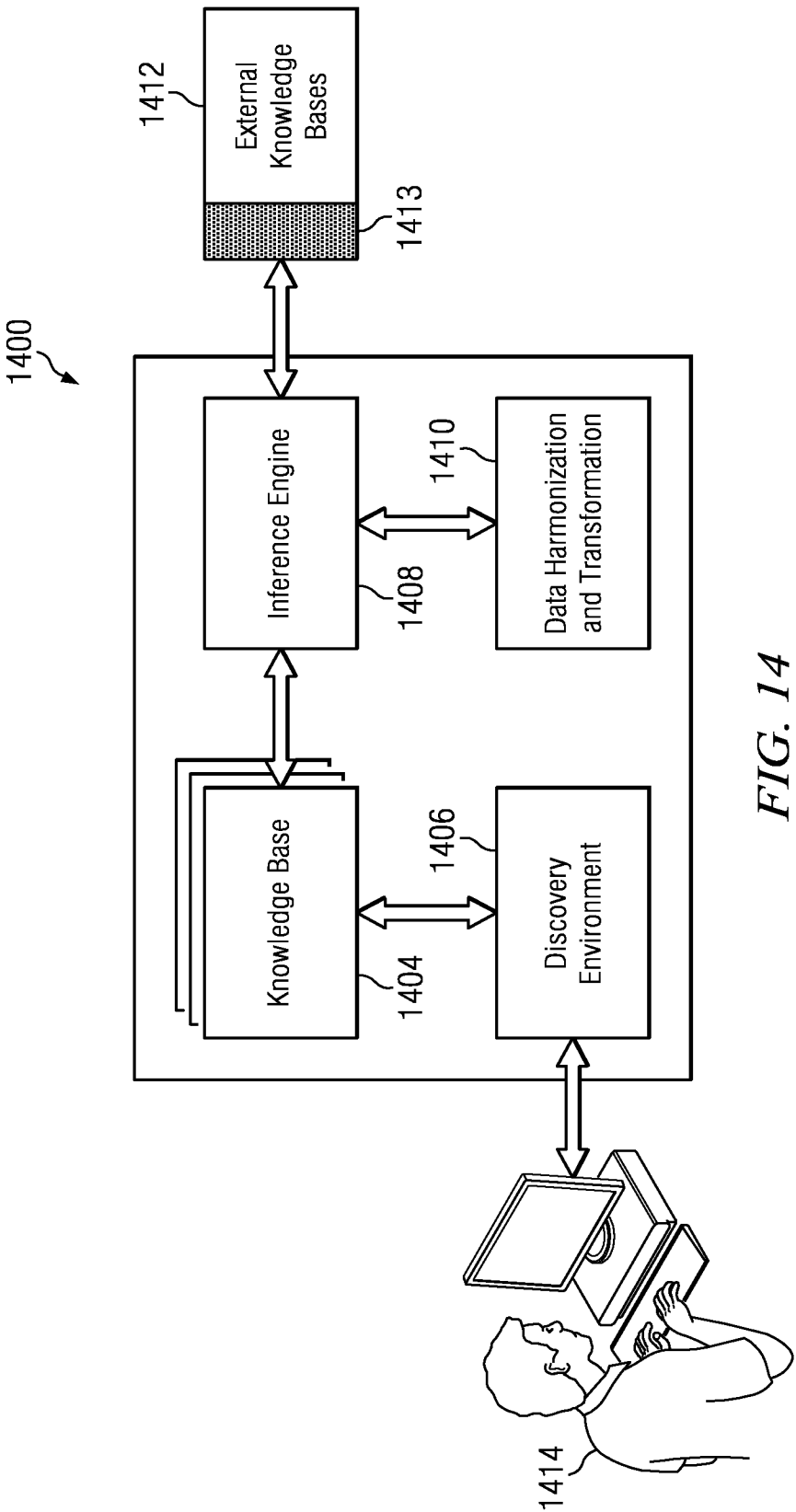


FIG. 13



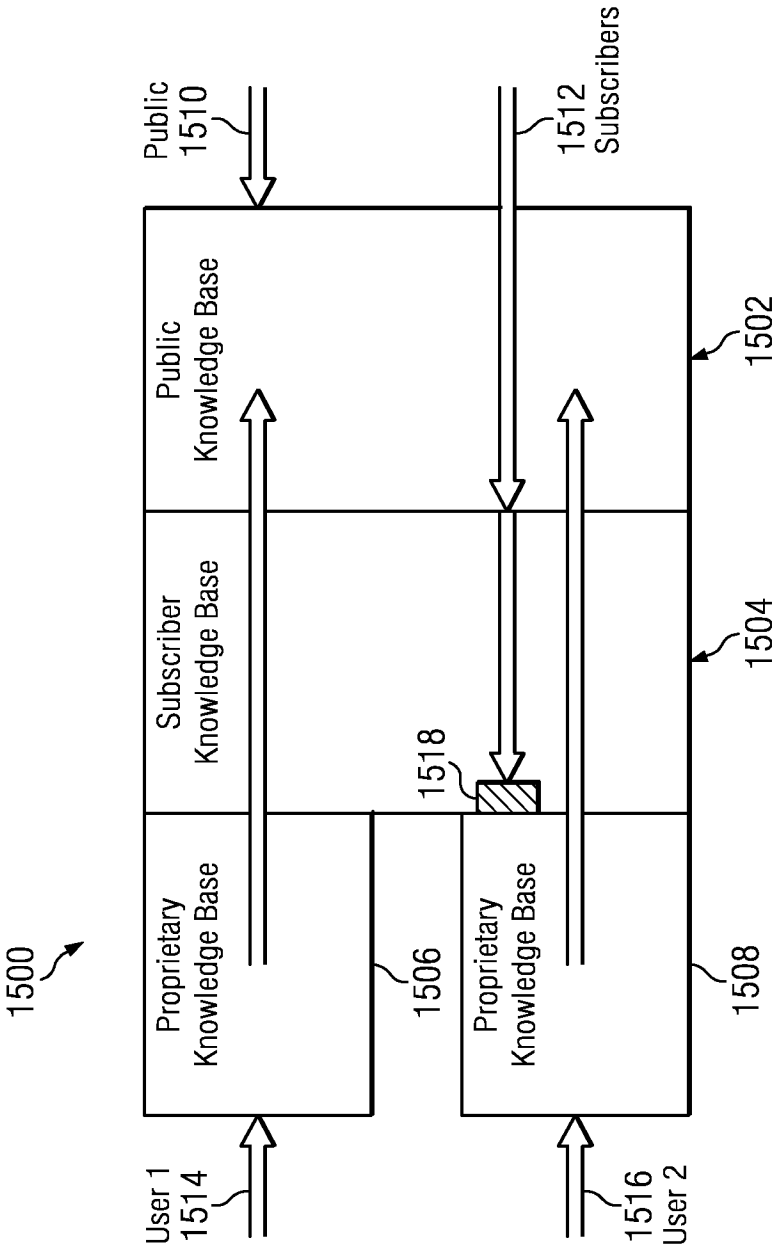


FIG. 15